

Concrete-Ventilated Stave CORN CRIB & GRANARY

"The Crib that Breathes"



PORTABLE ELEVATOR MFG. CO.
BLOOMINGTON, ILLINOIS

Grain Storage Five Centuries ago Fundamentally the Same as our Concrete Ventilated Stave Crib and Granary of Today



Very Ancient Corn Crib

Even today were a traveler to get off the regular tourist paths and ramble through certain sections of Europe, notably Spain and Austria, he would be impressed with the importance of the granary in its relation to the domestic life of the people of bygone centuries.

Many of the old granaries built in the 14th and 15th centuries are still standing and are in a fair state of preservation as is evidenced by the illustrations on this page which we are able to reproduce through the courtesy of the Architectural Record.

These early granaries were built of solid stone slabs—granite for the most part.

A most striking feature, which is universal in the construction of these old granaries, is the manner in which ventilation has been provided; for ventilation was considered a prime requisite. The thick slabs of stone were pierced through with verticle slits, there being three slits to each slab. The granaries were supported on stilts or upright stone columns, so that a load of corn or grain might be driven under or directly alongside the floor thus making easier the task of unloading.

Today there stands at the end of five centuries of experience, the Concrete Ventilated Stave Corn Crib and Granary—certainly a wonderful improvement over the crude cribs and granaries of the Middle Ages.

Not quite so picturesque, perhaps, for today we look more towards utility than architectural effects. Instead of purely decorative pinnacles, our modern Concrete Ventilated Stave Corn Cribs and Granaries are surmounted with a practical cupola which provides an outlet for the air circulating through the corn.

From the earliest days of recorded history when, in years of plenty, the Egyptians stored the harvests of the Nile against the coming of leaner years, the granary has played an important part in the material advancement of mankind.

Tracing its course through the mists of antiquity we find it taking more definite form in the days of the Feudal lords whose faces were set against each other in almost continuous warfare—bitter struggles for the extension of power and domain. Then, as now in modern warfare, the food supply of the enemy was of prime importance in point of attack; and the capture of bountifully stored cribs and granaries meant not only a rich prize for the victor, but serfdom and little less than starvation to the vanquished.

In reading the following pages you will notice what a vast improvement we have made in our modern application of the verticle slit principle of ventilation. In the olden days they had the right idea but failed to develop it to its fullest possibilities.

Read how this principle has been so ingeniously adapted in the concrete stave unit of our Corn Cribs and Granaries.

Hillside Corn Crib near Ponte Verda, Galicia, XVII Century



Illustrations Through the Courtesy of the Architectural Record. The Author Mildred Staptey

"Nobody Home"

By Rufus T. Strohm

(Slightly Revised)

Zeb Green was in the dumps, by heck!
Said he, "My cornerib is a wreck.
The sills is rotten to the core,
There ain't a sound board in the floor.
The ridgepole has a sag, I swear,
Like Deacon Perkins' swaybacked mare.

The studs is bulgin' like the deuce
And all the weatherboards is loose.
I've patched the dum thing up with tin,
But still the pesky rats git in;
As fast as I kin plug a hole,
They chaw another, 'pon my soul!

If that keeps up, as sure's you're born
They'll git away with half my corn."
His face took on a peevish frown:
"I guess I'll have to tear her down
And build a new one; but, by jinks,
I git the shivers when I thinks

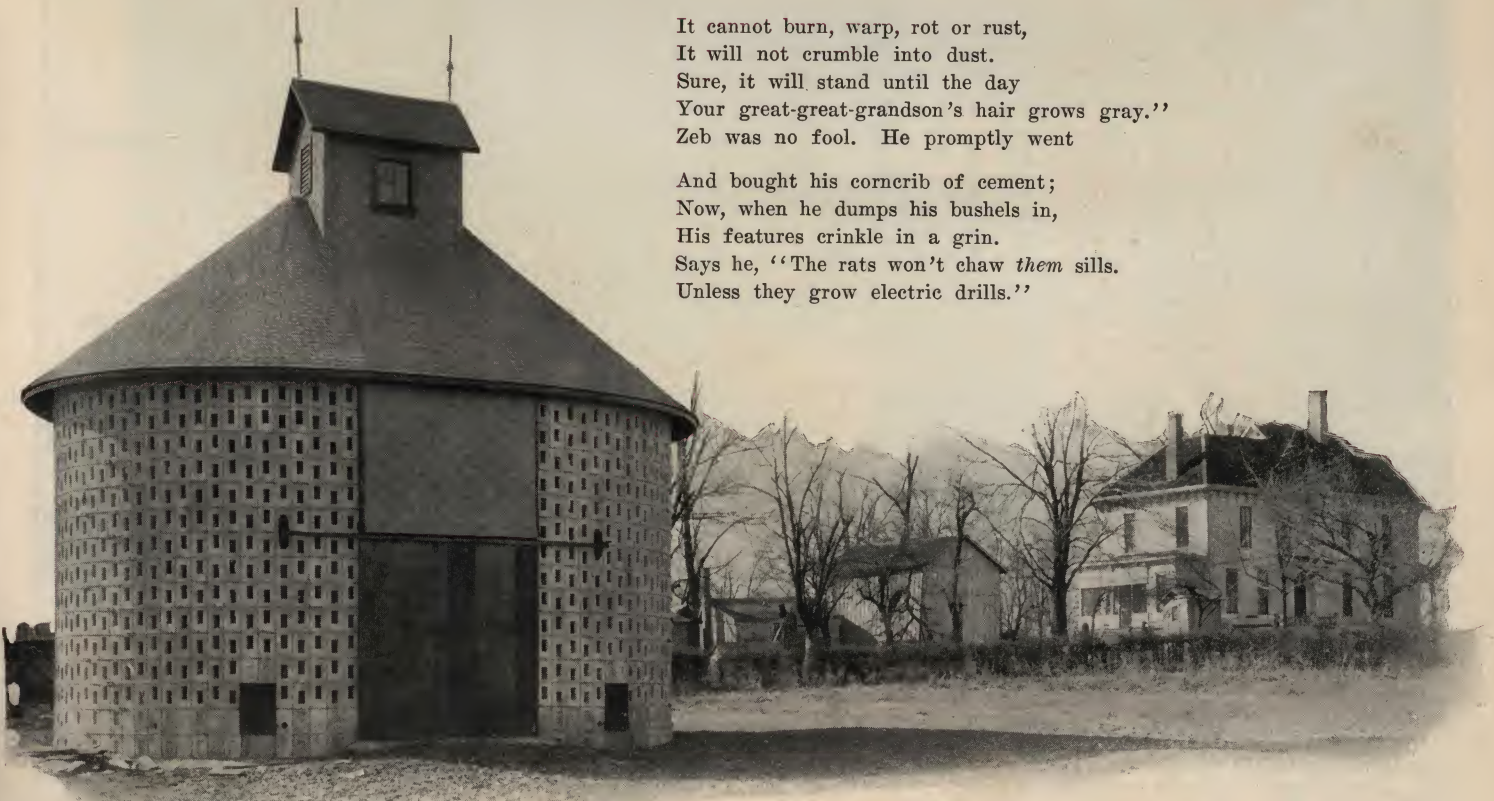
Of what a price a feller pays
For buildin' lumber nowadays."
However, on his way to town,
He paused to chat with Farmer Brown;
He told him what he'd planned to do,
And how the prospect made him blue.

Now, Brown was modern in his style,
And Zeb's complaining made him smile.
"You make me wonder, Zeb," he said,
"If brains or sawdust fills your head!
Why build your crib of pine and oak,
When wood to rats is just a joke?

You'll pay a fortune, like as not,
For lumber that will warp and rot
For fifteen years, or twenty. Then
You'll have to build the crib again.
If you're half-way intelligent
You'll buy a cornerib of cement.

It cannot burn, warp, rot or rust,
It will not crumble into dust.
Sure, it will stand until the day
Your great-great-grandson's hair grows gray."
Zeb was no fool. He promptly went

And bought his cornerib of cement;
Now, when he dumps his bushels in,
His features crinkle in a grin.
Says he, "The rats won't chaw *them* sills.
Unless they grow electric drills."



Erected 1924 on farm of Jessamine Withers Home for Old Ladies, Bloomington, Illinois

GOOD EQUIPMENT MAKES A GOOD FARMER BETTER

Concrete Ventilated Stave Crib and Granary with All-Steel Chainless Inside Bucket Elevator



Shelling, Grinding, Elevating *all at one time*

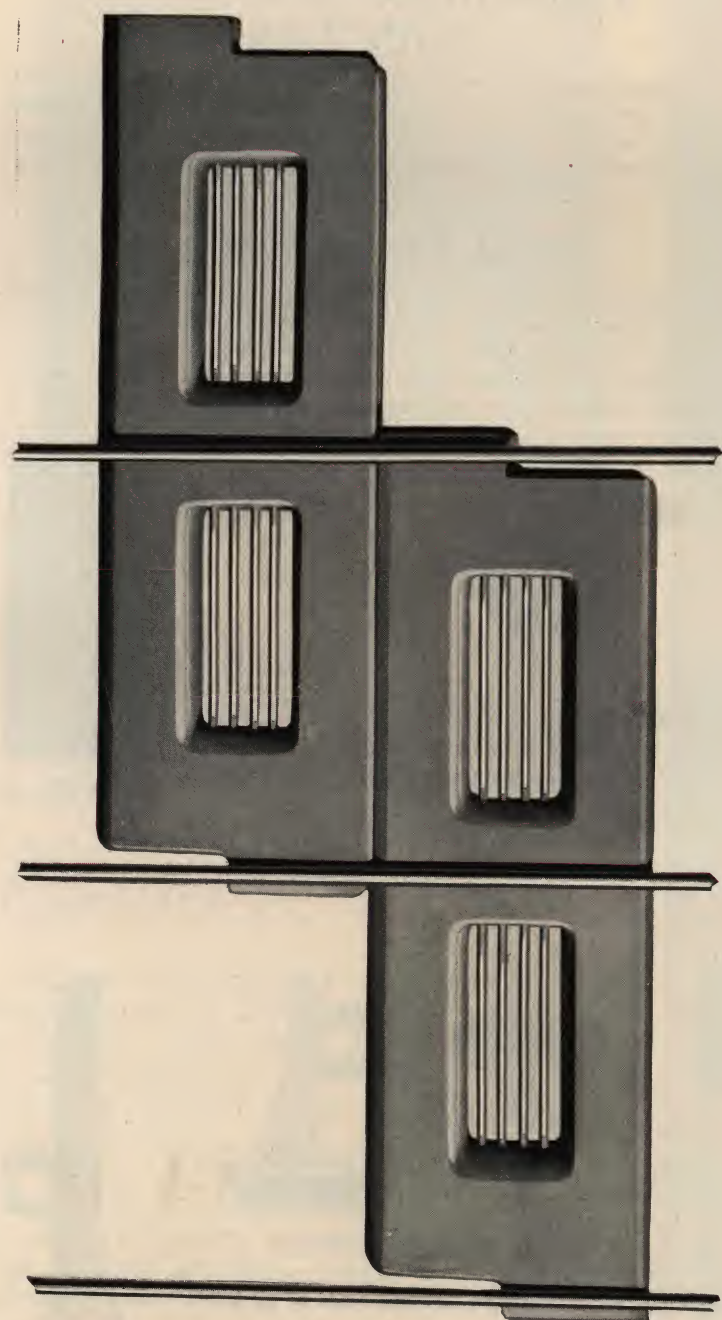
On the Keene-Belvidere Canning Company farm, at Belvidere, Illinois, they know the value of time, labor and money saving equipment. From field to bin with one handling lowers production costs and raises profits. Oblong style crib is 26 x 45 x 22½ feet with a capacity of 6593 bushels of corn and 3528 bushels of small grain. This everlasting equipment—Concrete Ventilated Stave Crib and

Granary with ALL STEEL CHAINLESS INSIDE BUCKET ELEVATOR make a wonderful COMBINATION. Here's what the owners say:—"The double Concrete Ventilated Stave Crib and Granary you built for us five years ago has proven entirely satisfactory and is a decided improvement to the appearance of our buildings."

PORTABLE ELEVATOR MFG. CO., BLOOMINGTON, ILL.

THE CRIB AND GRANARY THAT BREATHE

The Concrete Ventilated Stave



Note how staves are staggered—the top of one stave reaching only to the center of the next. This staggered construction increases strength and long life and eliminates a straight line joint the entire circumference. More than one-fifth of the outside wall is open for ventilation.

A Concrete ventilated stave unit measures 30 inches long, 10 inches wide and $2\frac{1}{2}$ inches thick.

B “Tongue and groove” allows for oval formation and forms rigid construction.

C Two vents (9 by 4 inches) in each stave. One-fifth of the crib wall is ventilating surface. Additional ventilation is formed by placing ventilator shafts over the sheller drag pits. Corn can’t help but stay dry and in perfect condition in this crib.

D Each vent is reinforced with 4 heavy galvanized steel rods. These run lengthwise, forming a protective, rat-proof grating.

E Entire crib is banded by $\frac{9}{16}$ inch galvanized steel rods. Each stave is held by three rods—one at the top, one at the center and one at the bottom.

Concrete Mix

The proper mix of concrete is very essential. Therefore, we have designed and are using the most practical machines to manufacture the staves, using the proper size crushed stone or washed gravel, clean washed sand, tested cement and clean water.

The stave itself is composed of separate aggregates using one part cement, two parts sand and three parts crushed stone or washed gravel, with the necessary amount of water and thoroughly mixed in a concrete mixer. After it has been thoroughly mixed, it is removed from the mixer and placed in forms. It is left in the forms long enough to harden; then stored until it is thoroughly cured. Can you imagine a better or stronger stave?



**Section of Roof Showing Interior
of Roof Section**

Any man who knows building work will instantly see, from this picture, the sturdy, lasting construction of this roof. It is as rigid as can be made. Extra heavy girts form a continuous truss. Large plates are built right into the sections. Sheathing is of a uniform grade and all exposed parts painted. Fire resisting shingles are furnished.

This roof is built up in our own factory in sections, fitted into a complete roof before shipment so that when it reaches its destination it assembles perfectly without cutting or trimming.

Roofs built by us and shipped in this way cost the purchaser about half as much as a roof built on the job would cost.



Galvanized Crib Rods with Lug

Extra heavy crib rods bind the staves in a grip that never fails. Lugs are provided for adjusting to expansion or contraction but these rarely, if ever, need be changed after they once properly set during erection. Rods are heavily galvanized to prevent rusting.

Steel Door Frames

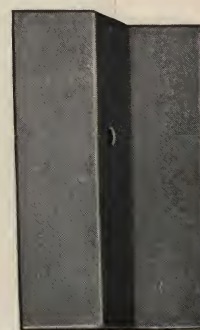
Construction features No. 3 on page 7 shows clearly the four steel corner posts, main frame extra heavy Z bars $\frac{5}{16}$ " x $3\frac{1}{2}$ " x 5" x $3\frac{1}{2}$ ", weighing 12 lbs. per foot.

These are continuous from foundation to roof and form a strong frame construction around which this everlasting crib is built.



END VIEW

USED FOR
CORNER
POSTS



SIDE VIEW

Extra heavy Z Bar $\frac{5}{16}$ in. x $3\frac{1}{2}$ in.
x 5 in. x $3\frac{1}{2}$ in. Weight, 12
pounds per foot.

Driveway Door Track and Hangers



Only extra heavy, all steel curved track that can not twist out of shape to bind the doors is used on Concrete Ventilated Stave Corn Crib and Granaries. Track is fastened to the building by non-breakable malleable brackets, securely bolted in place. Short brackets are used directly over the doors while longer malleable brackets are used at the ends to form a straight, rigid track that can not sag. Ball bearing rollers provide a free running steel door, easy to operate and one that does not stick or bind.

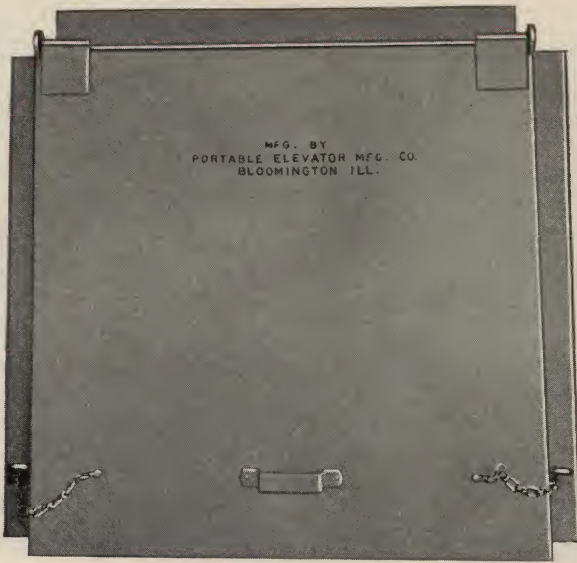
Steel doors fit snug at the top, bottom and sides—they can not warp, swell or shrink, therefore are at all times rodent and thief proof.

No Upkeep Expense

Steel frame work, concrete construction, steel door and non-breakable malleable iron fittings on the Concrete Ventilated Stave Corn Crib and Granaries make you forget you have a granary as far as upkeep expense is concerned.

The same material and reinforced construction that makes the Concrete Ventilated Stave Corn Crib and Granary durable and substantial, also minimizes the need for repairs or replacements. Some owners paint their buildings every four or five years, but even this expense, which may add a few years to its life, is not necessary with the Concrete Ventilated Stave Corn Crib and Granary.

THE CRIB AND GRANARY THAT BREATHES



Sheller Drag Pit Door and Frame
2 feet 6 inches by 2 feet 6 inches high

All Steel Doors

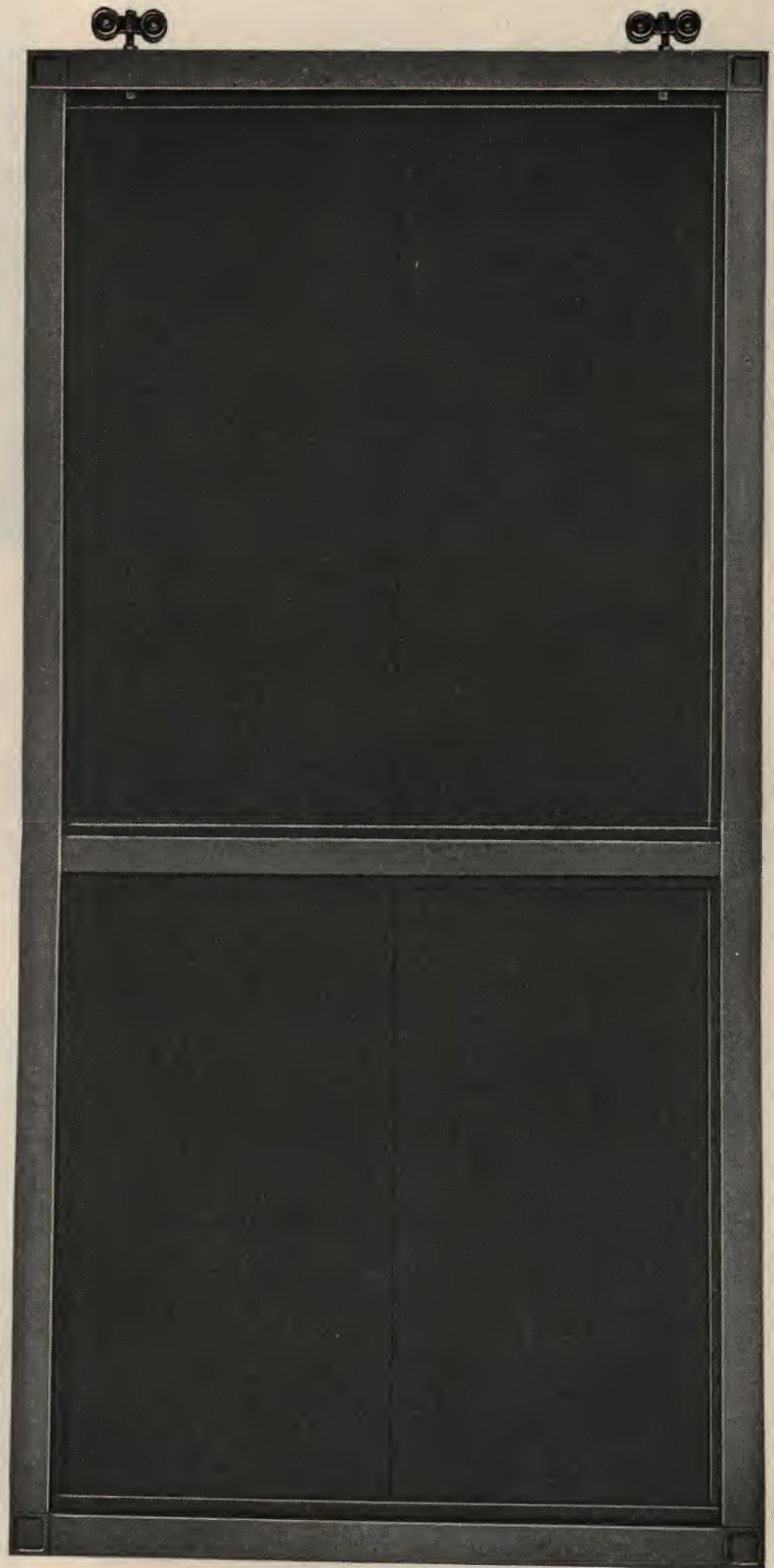
Concrete Ventilated Stave Crib and Granary doors are all steel—steel framework welded on to heavy cast corners covered with double steel panels.

Sheller drag pit doors are all steel construction, 2½ feet square, hinged at the top and open upward.

Driveway doors are built like house doors with stiles and rails 1⅝ inches by 3 inches and made in one piece. Panels are flat steel sheets welded to apron of stiles and rails. Electric welding eliminates all nails that work loose and rust out around the heads.

Ours is the strongest door construction known, providing a door of greatest strength and one that will not rot, bulge, twist, warp, buckle, shrink or swell. Perfect hangers supporting the extra strong track plus roller bearings forms a free running construction that does not bind or stick.

Driveways are of two widths, 9-ft., and 12-ft. 6-in. Each driveway opening is provided with double steel doors. One opens to the right and the other to the left.

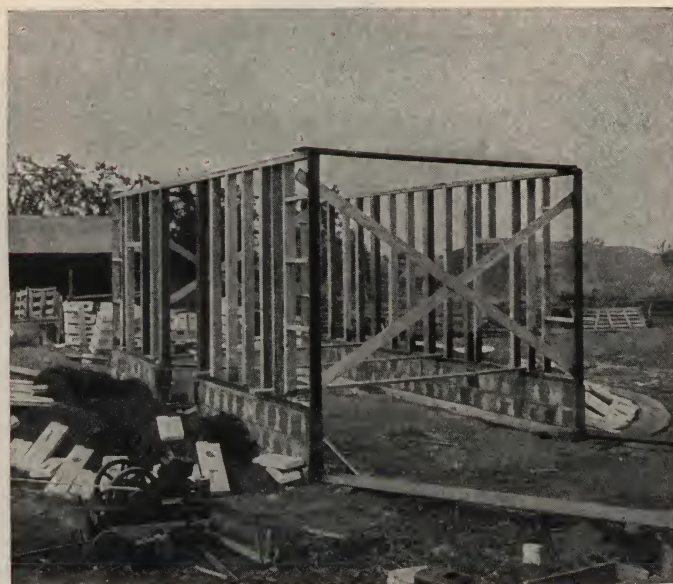


Above illustrates 4 foot 10 inch Steel Driveway Door

GOOD EQUIPMENT MAKES A GOOD FARMER BETTER



No forms needed for a foundation like this. Side walls are concrete blocks or square building tile filled with concrete.

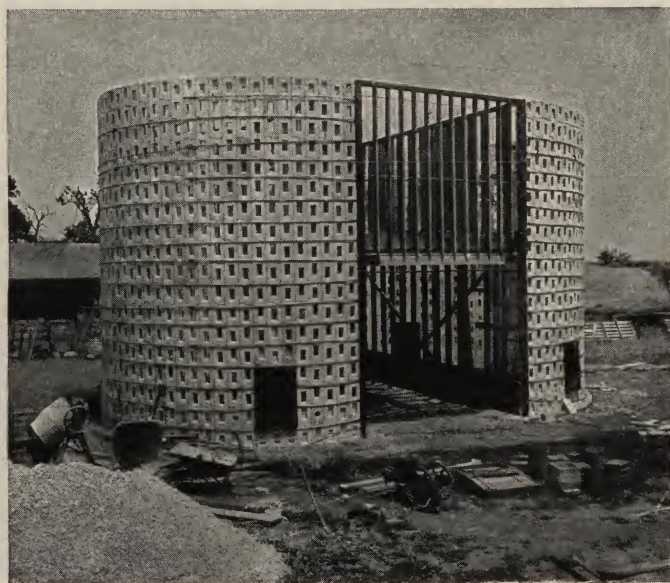


First tier frame work up and ready for steel. Top plate shown here is main joist plate.

Easy to Build

The Concrete Ventilated Stave Crib and Granary is a "ready made" building. Everything is made and cut to fit at the factory. Then everything is shipped to you. You could not put a single piece in its wrong place because it would not fit. Staves are all interchangeable. Four steel posts are exactly alike. Door frames and hangers can fit in but one way. Roof is cut in sections and is

easy to match up. Even the cupola is made complete and is simple to erect. No molds to build; no concrete to mix except for the foundation, inside the tile walls, crib floor and driveway. No hot riveting to do. Any man who can do the average repair work and light building around the ordinary farm can build, from floor to flag pole, the Concrete Ventilated Stave Corn Crib and Granary.

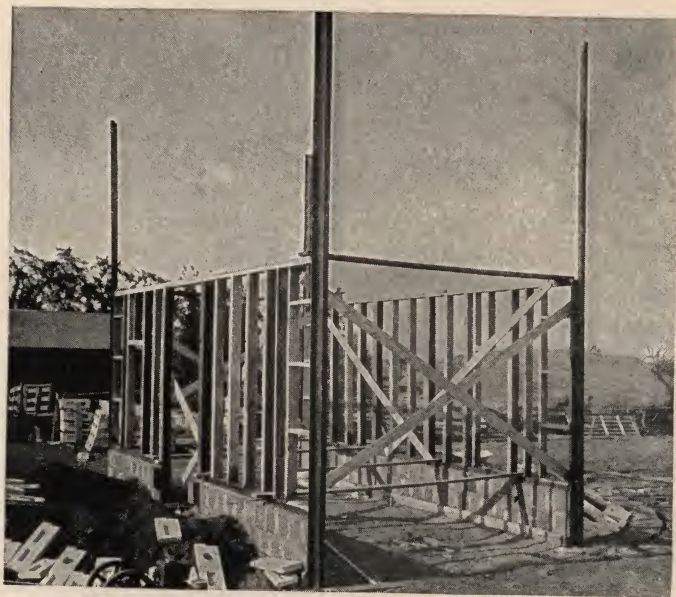


No brace rods interfere in the ear corn bins. 9/16 inch tie rods (29,000 pounds tensile strength) ever prevent bulging and sagging.

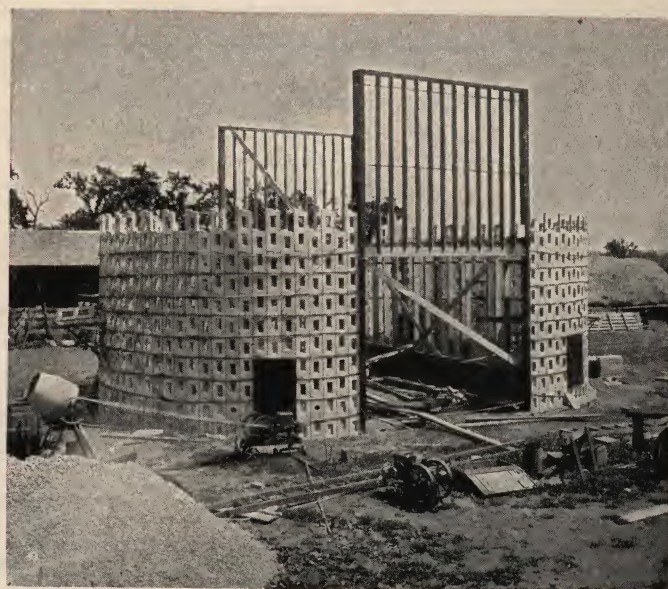


Roof made in sections at factory. Easy to put on. No pockets for wind to catch; no nooks for birds to nest.

THE CRIB AND GRANARY THAT BREATHES



These four steel posts anchor into footing to insure extra safety factor. Extend from foundation to roof plate.



Tie rods reinforce the end framework. Tie rods bind the blocks. See the labor saving sheller drags.

You Can Erect

Your local contractor or carpenter or even yourself can erect a Concrete Ventilated Stave Corn Crib and Granary, but if you prefer, we can send our experienced builder to assist in the supervision and erection of your crib and when necessary, an entire crew can be supplied, relieving you of all work.

All three plans are satisfactory. The first (you to erect the crib yourself) makes the Concrete Ventilated Stave Corn Crib and Granary cost you no more than an ordinary wooden corn crib—and costs you far less when figured on years of service and absence of upkeep expense. Build once—the everlasting Concrete Ventilated Stave Crib and Granary.



Roof sheathing cut and painted at factory; cupola made complete and in sections. Easy to erect.



The job complete. Fire-resisting shingles; concrete side walls; steel doors—as permanent as man can make a crib. Erected 1925 on farm of Fred M. Schroeder, Bloomington, Illinois.

"It Saved Me \$9,000.00"

(COPY)

Chenoa, Illinois,
May 28, 1925.

Portable Elevator Mfg. Co.,
Bloomington, Ill.

Gentlemen:--

On Friday, May 22nd, fire destroyed my entire set of farm buildings, with the exception of my Concrete Ventilated Stave Corn Crib and Granary and Residence. Buildings burned consist of two hog houses, 24x54 ft., barn, 40x80 ft., blacksmith shop, 14x20 ft. The barn contained twenty tons of hay, ten tons of straw and two tons of alfalfa. The loss totals about \$25,000.00. Had I not had one of your Concrete Ventilated Stave Corn Crib and Granarys, and as this building was located only 40-ft. from the large barn, this building would also have burned with the other wooden buildings, and an additional loss would have been caused to the amount of \$9,000.00.

THIS CRIB CONTAINS:--

4500 bushels of ear corn,
1000 bushels of oats,
All-Steel CHAINLESS Bucket Elevator,
Two farm wagons,
6 Horse Power Gasoline Engine,
10 Ton Scale.

Your Concrete Crib is not alone fire-proof. It is the best type of storage building for the curing and storage of corn and grain.

I am a strong booster for your Concrete Ventilated Stave Corn Crib and Granary. Every farmer should have this type of building on his farm. If I build any more cribs, they will be like the one I now have, because it saved me \$9,000.00.

Sincerely yours,

(Signed) Leigh W. Jackson.

Proper grain storage is the cheapest kind of insurance you can buy. More than that, proper grain storage makes good grain better just as surely as good equipment makes a good farmer better.

It is easy to find out how much a Concrete Ventilated Stave Crib and Granary costs but no one knows how much one is worth.

Mr. Jackson's saved him \$9,000.00 in one day. Add to this the higher price paid for properly cured grain, the amount saved from profit robbing rats and the increased land value of the farm—and you get some idea of the value of a Concrete Ventilated Stave Crib and Granary.

Then—multiply all this by more than a lifetime of steady service and the true worth of this better crib reaches a staggering sum.

Profit by Mr. Jackson's experience. Build for the last time—for permanence and profit.

Before the Fire



Fire Proof, Wind Proof

Fire! That cry is dreaded on the farm more than anywhere else. Fire! Here, without access to the aid of experienced fire fighters and high water pressure, and with the neighbors often miles away, a fire can start, gain headway and send an entire year's crops to ruin before anything can be done to check it. Thousands of bushels of grain loss and damage result from farm fires yearly. Grain stored in Concrete Ventilated Stave Corn Cribs and Granaries is safe from fire. Constructed from concrete and non-inflammable materials, it is the cheapest fire insurance for the ear corn and small grain crops.

How would you like to store your grain inside the rock of Gibraltar? Here it would be safe from fire, free from wind. But you would not get the necessary ventilation to cure the corn and raise the price. Read what these proud owners say about the protection and profit making features of Concrete Ventilated Stave Corn Cribs and Granaries.

H. J. OHLHUES
General Merchandise
Symerton, Ill.

Dec. 18, 1926.

Portable Elevator Mfg. Co.,
Bloomington, Ill.
Dear Sirs:

Am just writing a few lines to tell you about my new Concrete Stave Crib and Elevator which I purchased from you last

June. Am somewhat of a carpenter myself, so did considerable of the work on my crib and cut down some of the expense of building.

It surely is a neat looking building and I believe corn will keep better in it than in any wooden crib.

I used the all steel chainless elevator during the husking season and found it runs light and elevates fast.

I am very well satisfied with my crib and elevator and can truly say they are beyond my expectations.

Very truly yours,

H. J. OHLHUES.

Tiskilwa, Ill., May 5, 1927.

Portable Elevator Mfg. Co.,
Bloomington, Illinois.
Gentlemen:

It has been two years or about since your Company erected my Concrete Stave Corn Crib, and I want you to know something about the way corn cured and kept in the crib.

In the fall of 1926 when I shelled out the corn, the corn graded as No. 2, the only job in the neighborhood. All the corn in wooden cribs about here when shelled was more or less mouldy.

I found all the claims you made for the Crib to be as you had said and would advise any one planning on building a corn crib to build a Concrete Stave Crib.

The Elevator has given the best of satisfaction and never one minute's trouble in the two years, both summer and fall.

Yours truly,

HENRY BACHMAN.

After the Fire



GOOD EQUIPMENT MAKES A GOOD FARMER BETTER

Scientific Grain Storage

According to the National Geographic Society, one hundred and fifty million rats infest the rural districts of this country alone, taking the average yearly returns of the continuous work of about one hundred and fifty thousand men with farms, implements and other equipment to supply the food stuffs destroyed by rats in the United States annually and another fifty thousand men to replace property damage. Think of it, two hundred thousand men giving their time, labor and property to rats!

A single rat will eat or damage one bushel of grain a year and it will pollute an entire crib to which it can gain access.

Rats, squirrels and other rodents cannot get to grain stored in a Concrete Ventilated Stave Corn Crib and Granary. Every grain comes out pure, clean and unpolluted—ready to be milled into human food—free from disease germs carried by vermin.

Extermination by starvation is the most effective campaign against these pests and the most deadly weapons for such a campaign are Concrete Ventilated Stave Corn Cribs and Granaries.

Although the rat-proof and fire-proof features are exceedingly important, they are by no means the only ones to be considered in the purchase of grain storage facilities. Those who give the matter the same thorough consideration and careful study as the merchant or manufacturer gives to the building of a new store or factory building, find that grain storage equipment must measure up to these standards and accomplish these things if it is to prove a good investment.

Protection

It must not only keep grain in good condition, but must improve its condition.

It must protect grain from the elements—rain, snow, weather, etc.

It must protect grain from thieves and other obnoxious consumers as well as rodents.

It must be economical in first cost to the extent that it is not burdensome to acquire.

It must be durable so that the first cost can be charged against not one but many years of service.

It must be substantial to insure safety and avoid maintenance cost and trouble.

It must cut down, not add to, the cost of grain production.

A thorough analysis will show that only one kind of storage equipment can accomplish all these things—and that one kind is the Concrete Ventilated Stave Corn Crib and Granary.

The Concrete Ventilated Stave Corn Crib and Granary is more than just a storage place. Scientific principles are built into it to afford every opportunity for grain to properly cure while in storage. Corn or small grain comes out of it in better condition than when it enters.

Corn or small grain stored in Concrete Ventilated Stave Corn Cribs and Granaries is thoroughly protected against all danger of loss or damage from all common causes.



Erected 1924 on farm of L. K. Anthony, Bloomington, Illinois

THE CRIB AND GRANARY THAT BREATHES

Properly Cured

It is not until grain of any kind reaches full maturity that it contains full food values. In the natural progress of evolution deterioration follows soon after full maturity. Food values are lost in proportion to the rapidity of deterioration or decay. By proper methods, however, deterioration may be arrested and full food values retained for an indefinite period.

Particularly is this true of corn. Besides maximum food values, corn also contains a greater percentage of moisture at maturity than other grains, and moisture is a chief agent of decay.

It is, therefore, imperative that moisture be thoroughly dried out of corn in order to preserve it. Properly cured, corn will retain its full food values for two years or longer.

To thoroughly dry out or cure corn in storage it is necessary that an abundance of air constantly circulate throughout the mass to carry away the moisture. Because of the higher percentage of moisture a more elaborate ventilating system is necessary for corn than other grains.

Systematic Ventilation

The ventilating system of the Concrete Ventilated Stave Corn Crib and Granary is so designed as to provide ample circulation to cure corn on the ear. In sections where both small grain and ear corn are grown, the Concrete Ventilated Stave Corn Crib and Granary eliminates the necessity of two sets of storage equipment—one for corn and the other for small grain. The small grain is stored over the driveway and the ear corn on each side.

While corn, in fact any grain, is curing it heats slightly and it heats in the center and at the bottom first, because the pressure

is greater at those points, causing less ventilation. As air heats it rises. In the Concrete Ventilated Stave Corn Crib and Granary, the warm air is carried up through the ventilating shaft in the center and out through the ventilator in the cupola. Cool air must naturally replace the rising warm air. This enters through the openings in the side walls, passes through cooling and drying as it goes, and as it becomes warm passes up through the ventilator, thus maintaining a constant circulation of cool air through the corn.

Why Proper Storage Pays

There is more money in corn marketed on four legs than there is in corn marketed on four wheels. A review of statistics shows that this holds true over a period of all sorts of years—years of depression, years of normalcy and years of inflated conditions.

Even though corn is not fed to cattle or hogs farm storage pays. Crop statistics for years back show that the best prices for corn are paid when the corn is nearly a year old. In other words, prices are lowest at harvest time when markets are glutted and gradually improve until the high point is reached nine to eleven months after harvest.

The difference between the early and the late market prices will rarely fail to pay handsome dividends on an investment in a Concrete Ventilated Stave Corn Crib and Granary. In fact, this gain in prices in a single season has amounted to more than enough to pay one-fourth or one-half of the price of a Concrete Ventilated Stave Corn Crib and Granary.

Where corn is properly cured and preserved and where waste, shrinkage, damage and loss are eliminated by proper storage equipment such as the Concrete Ventilated Stave Corn Crib and Granary, farm storage pays whether the corn is marketed on four wheels or on four legs.



Erected 1923 at Odd Fellows Orphans Home, Lincoln, Illinois

GOOD EQUIPMENT MAKES A GOOD FARMER BETTER

Erect Under Our Supervision

CHOOSE THE PLAN THAT SUITS YOU BEST

PLAN No. 1

Plan No. 1, we will furnish everything complete (except sand, gravel and cement for foundation and floors), all ready to erect—even the roof is built up in sections to fit without cutting or trimming. You do erection work yourself, or have it done by your local contractor.

PLAN No. 2

Same plan as No. 1 except we furnish experienced builder to supervise and assist in the erection work.

PLAN No. 3

Same as Plan No. 1, except we furnish the entire crew of experienced builders to erect the building complete. All tools and equipment are furnished by us.

If you know anything whatever about building construction, and can get help to do the work, plan number one will be entirely

satisfactory to you. All parts come ready cut and assembled in sections. All you need do is see that each part goes in the proper place for which it is marked. Blue prints and instructions make this a simple task. Or, if you know nothing about building construction but have a contractor, builder or good carpenter in your neighborhood this man can look after the erection for you.

Plan No. 2 is arranged for those buyers who prefer we supervise the construction work. We will gladly furnish an experienced builder who can through his experience in our Concrete Ventilated Stave Corn Crib and Granary insure perfect erection, as well as save yourself time or work.

Plan No. 3 eliminates you from all work or worry, but of course, costs a little more than either of the other two plans, due to the necessity of our maintaining on your work an entire erection crew of experienced builders.

Any one of the three plans will work out to your complete satisfaction.



Erected 1925 for Hasenwinkle-Scholer Grain Co., Bloomington, Illinois

PORTABLE ELEVATOR MFG. CO., BLOOMINGTON, ILL.

What Well Known Owners Say—

Hasenwinkle Scholer Co. Inc., are grain merchants of Bloomington, Illinois, with grain elevators on the Big Four and Illinois Central railroads. This firm is a member of the Chicago Board of Trade, Peoria Board of Trade, Illinois Grain Dealers' Association and the Grain Dealers' National Association. Such a concern would be satisfied with only the best. On April 18, 1927, Hasenwinkle Scholer Company wrote us:

"The 10,000 bushel concrete corn crib which you erected for us eighteen months ago has proved to be entirely satisfactory.

"We find the cost of handling the corn to be at a minimum. The building has been full to the roof and no fault whatever in the construction has appeared. It is in as good shape now as when erected.

"We are able to fill the corn crib with the ear corn elevator with practically no necessity for shoveling the corn back, and as far as we can judge the corn has kept as well in the crib as in any other crib we have ever operated.

"We have had good service and attention from you and could ask for no better treatment.

"We investigated other types of concrete cribs when

we constructed this one and decided this was the best type, and we can see no reason to change our minds."

Very truly yours,
HASENWINKLE SCHOLER COMPANY,
R. HASENWINKLE.

The Women, Too

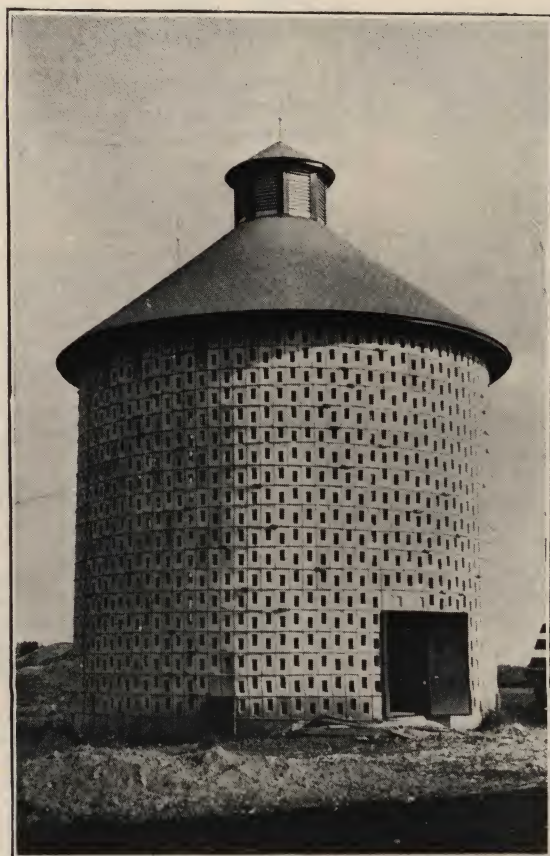
Tuscola, Illinois, May 9, 1927.

Portable Elevator Mfg. Co.
Bloomington, Ill.
Gentlemen:

I am well pleased with the Concrete Ventilated Stave Corn Crib you built for me last fall. This is a wonderful building and should stand for ages. Also the All-Steel Chainless Bucket Elevator works perfect in every way. They make a good combination.

It is a pleasure to do business with such men as your company employ. I have found you to do even more than the contract called for.

Yours truly,
MRS. GEO. W. CRAIG.



Erected 1924 for First State Trust and Savings Bank, Springfield, Illinois



Erected 1926 for W. and Ed. Haag, Cullom, Illinois



FIRST STATE TRUST AND SAVINGS BANK



SPRINGFIELD, ILL. January 19, 1926.

January 19, 1926.

Portable Elevator Company
Bloomington, Illinois.

Gentlemen:

You will be interested to know that upon shelling out some 7000 bushels of corn stored in one of your circular concrete cribs, we found the moisture content some 3% less than the corn shelled out from an adjoining wooden double corn crib. This corn all came from the same field, was shucked under the same conditions, cribbed at the same time and shelled out the same week. The dryer corn from the concrete crib sold for 3¢ per bu. more than the corn stored in the wooden crib. This is gratifying to us as it proves beyond a doubt that the plan of construction of your crib is a success.

Very truly yours,

Farm Manager.

Frank H. McKeey
Farm Manager

MRS. CRAIG ERECTS CIRCULAR BIN

A modern corn crib has been recently constructed by Mrs. George Craig, at her farm southeast of Tuscola, and known as the Craig Station, which adds greatly to the appearance in that section.

The crib takes the place of the old cribs that stood just south of the C. & E. I. tracks which had become badly dilapidated. The new corn crib is circular in shape with a driveway for wagons through the lower part. The outside is fireproof, being constructed of concrete staves with the necessary re-inforcements. The roof is also fire proof.

The crib is equipped with a dump for unloading corn from the wagons, and has elevators and conveyors for taking the ear corn to the upper part of the building. The capacity is stated to hold about 10,000 bushels of ear corn. A good many years ago the railroad which cuts through the land owned by Mrs. Craig, put in a side track for the purpose of loading the grain from the Craig farm and also other farmers in that vicinity, and since then these cribs have answered the purpose.

Mrs. George Craig has recently erected what is considered a model corn crib on her farm at Craig's Switch. It is circular in shape with a driveway through the lower part, and is practically fire proof, being constructed of hollow concrete tile with the necessary reinforcements. It is equipped with a dump for unloading corn and has elevators and conveyors for taking ear corn to the upper portion of the building. Its capacity is estimated at 10,000 bushels of ear corn and is not only a convenient structure but a very attractive looking one.

Good Equipment Makes a
Good Farmer Better

Mrs. Craig Puts Up Circular Bin.

Tuscola, Oct. 25—Mrs. George Craig this season put up what is looked upon as a model corn crib on her farm at Craig's Switch southwest of Tuscola.

Many years ago the C. and E. I. railroad which touches the land put a side track for the purpose of drying the grain grown there as well as on some of the neighboring farms. No grain elevators have been put up but corn cribs were erected along the tracks. Portable shellers have been used at the cribs and the grain loaded directly into the cars. Several of these old cribs had become dilapidated and in need of repairs, and Mrs. Craig has but the time to take care of the corn on her land. It is circular in shape with a driveway for wagons through the lower part. The outside is fireproof, being constructed of hollow concrete tile with necessary re-inforcements. The

Munson Adds New Crib for '26 Corn

Crop Stored in Concrete Building.

Arcola, Dec. 8—Sixty acres of corn producing an average of slightly more than seventy bushels to the acre will find their way into this new portable crib at the Ed Munson farm, four miles east of Arcola.

The crib is made of concrete staves with screened openings in the center to allow a passage of air through the stored corn. Two vents, one at either side, carry more air up through the crib and hasten the drying process.

Mr. Munson added the corn crib to the farm during the early fall, selecting the concrete type because it offered advantages in keeping the corn dry and could offer more hopes of permanency.

CENTER DRIVEWAY.

It is built circular with two flattened sides and a driveway through the center. Unloading is comparatively easy, the perpendicular elevator carrying the corn upward and dumping it in either bin.

Mr. Munson's corn, while only sixty acres this year is considered exceptionally good, the loss from the rotten ears being small. It was planted, cultivated and harvested this season by Pearl Nesbitt who did all of the work alone.

THE CRIB AND GRANARY THAT BREATHES

See if Your Neighbor Owns a Concrete Ventilated Stave Crib and Granary

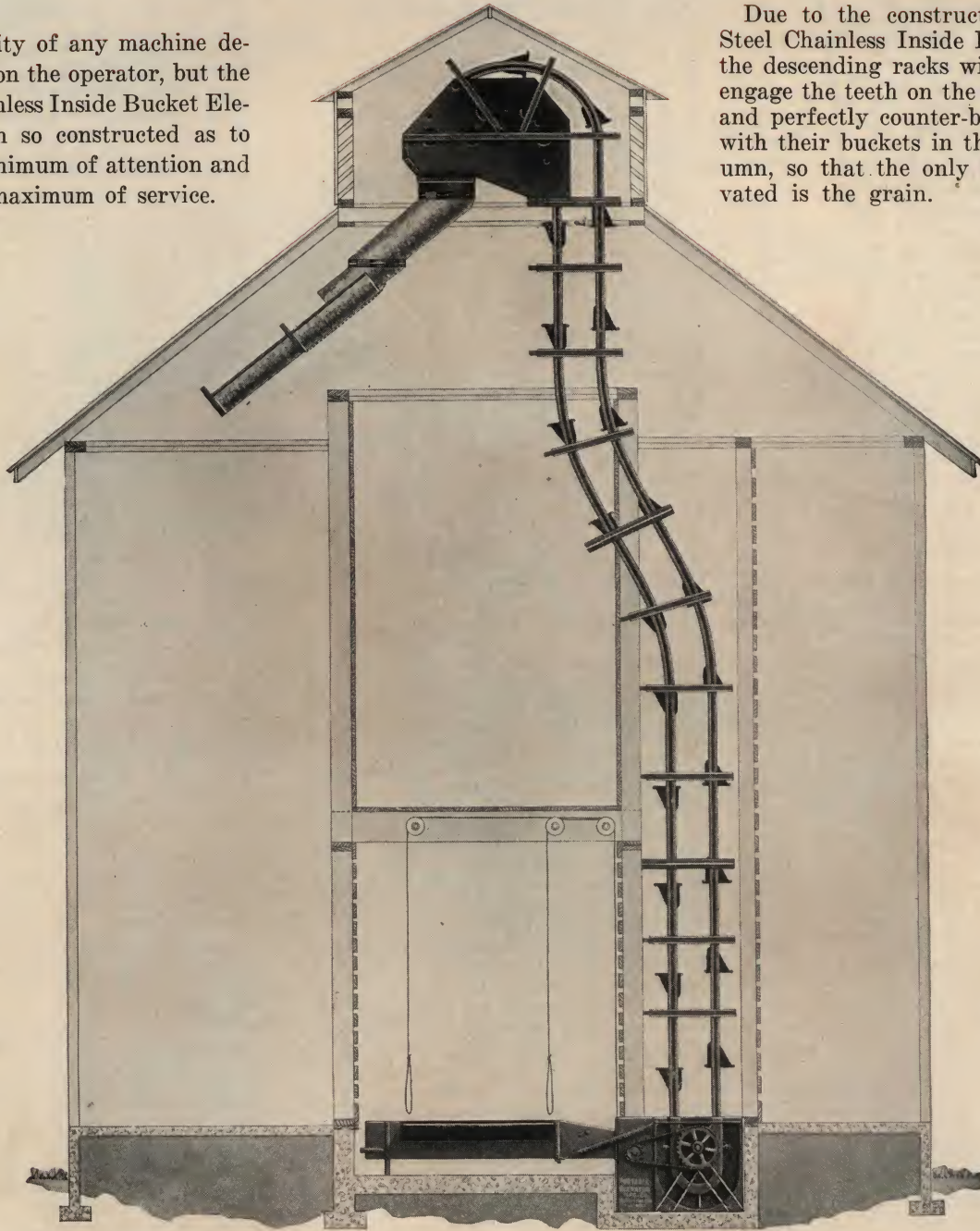
Alfred Nelson, Altona, Ill.
 Lester Putsch, Blue Mound, Ill.
 John Perry, Atlanta, Ill.
 C. G. Nelson, Altona, Ill.
 Dora B. Lewis, Collison, Ill.
 Lavelle Gilchrist, Atlanta, Ill.
 T. J. Hanley, Barnes, Ill.
 Peter Coil, VanWert, Ohio.
 L. M. Beaver, New Holland, Ill.
 Geo. Leidecker, Kankakee, Ill.
 A. E. Silver, Urbana, Ill.
 D. K. Roth, Gibson City, Ill.
 J. G. Watt, Alexis, Ill.
 John Kilgus, Forrest, Ill.
 Thos. Bottrell, Pawnee, Ill.
 Chas. Brucker, Colfax, Ill.
 Jacob Martens, Anchor, Ill.
 Johnson Bros., Altona, Ill.
 Benj. Gilbert, Polo, Ill.
 R. Hafenrichter, Plainfield, Ill.
 Frank Benjamin, Bloomington, Ill.
 G. M. Lutz, Malta, Ill.
 Jas. Moorhead, Malta, Ill.
 J. D. Turnbaugh, Mt. Carroll, Ill.
 Ruth Silliman, Toulon, Ill.
 Ralph Dempsey, Glassford, Ill.
 J. A. Post, Flanagan, Ill.
 John J. Buss, Forrester, Ill.
 Shipman Estate, DeKalb, Ill.
 Keene-Belvidere Canning Co., Belvidere, Ill.
 C. J. Wendell, New Holland, Ill. Two cribs.
 J. E. Garber, Deer Creek, Ill.
 P. C. Gillespie, Chenoa, Ill.
 E. W. Riggs, LaFayette, Ill.
 Marion A. Foster, Oak Hill, Ill.
 H. W. Benson, Bloomington, Ill.
 Paul J. Neubauer, Shirley, Ill.
 N. M. Harris, Champaign, Ill. Two cribs.
 Will J. MacKay, Mt. Carroll, Ill.
 Henry Keutzer, Peru, Ill.
 E. P. Elwood, DeKalb, Ill.
 L. W. Powell, Roanoke, Ill.
 Chas. Belk, Lincoln, Ill.
 A. J. Husser, Malden, Ill.
 Amanda S. Johnson, Sherrard, Ill.
 Carl O. Carlson, Kirkland, Ill.
 Marshall Lawrence, Burlington, Ill.
 G. J. Haumesser, Malta, Ill.
 J. A. Countryman, Rochelle, Ill.
 C. W. Moore, Mt. Carroll, Ill.
 Eloy Peterson, Osco, Ill.
 J. C. Peterson, Osco, Ill.
 Albert Oaks, Taylor Ridge, Ill.
 W. F. Jansen, Quincy, Ill.
 Cyrus Vaughn, Champaign, Ill.
 George Skinner, Mayview, Ill.
 Sam Askvig, DeKalb, Ill.
 Emil Wurmnest, Morton, Ill.
 L. W. Jackson, Chenoa, Ill.
 Odd Fellows Orphans Home, Lincoln, Ill.
 Wm. W. Vaupel, Ashton, Ill.
 John Bristle, Morrison, Ill.
 First State Trust & Savings Bank, Springfield, Ill. Three cribs.
 Frank High, Momence, Ill.
 W. A. Kreitzer, Elliott, Ill.
 E. H. Gerling, Bloomington, Ill.
 Mrs. S. E. Harris, Urbana, Ill.
 Withers Home Farm, Bloomington, Ill.
 Geo. Saunders, Canton, Ill.
 Dan Morrissey, Champaign, Ill. Three cribs.
 Arthur R. Trainor, Blackstone, Ill.

Charley Barker, Cooksville, Ill.
 Louis Sutor, Lexington, Ill.
 Mrs. E. J. Hawes, Chicago Heights, Ill.
 John A. Crusenmark, Lincoln, Ill.
 Vina Vawter, Peoria, Ill.
 Henry Berenz, Bloomington, Ill. Two cribs.
 L. K. Anthony, Bloomington, Ill.
 Walter Schroeder, Bloomington, Ill.
 Otto Kollman, Yorkville, Ill.
 W. C. Bolton, Nauvoo, Ill.
 Mrs. Lizzie Warren, Mansfield, Ill.
 W. P. Cooper, Rutland, Ill.
 E. B. & A. J. Blair, Illiopolis, Ill.
 Wilbur Leake, Dixon, Ill.
 Arthur Driscoll, Kirkland, Ill.
 Fred Cluver, Buckley, Ill.
 Mrs. Ida Womacks, Champaign, Ill.
 Joe Mears, Chenoa, Ill.
 Costigan & Wollrab, Bloomington, Ill.
 Peter Verdun, Odell, Ill.
 Elizabeth Beers Estate, Kingston, Ill.
 H. N. Cole, Geneseo, Ill.
 Etta Walters, Monmouth, Ill.
 John Vissering, Eureka, Ill.
 Hatch Bros., Springfield, Ill.
 R. Hasenwinkle, Bloomington, Ill.
 R. S. Ervin, Illiopolis, Ill.
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 J. A. McGrew, Prairie City, Ill.
 Henry Bachman, Tiskilwa, Ill.
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 Mrs. B. Bramel, Mt. Auburn, Ill.
 D. B. Folrath, Decatur, Ill.
 Harding Bros., Paxton, Ill.
 Wm. Eisenmunger, Peotone, Ill.
 August Hintzsche, Esmond, Ill.
 Wm. Schmitt, Sr., Annawan, Ill.
 Carl Morgensen, McNabb, Ill.
 Albert Anders, Pecatonica, Ill.
 Mrs. C. M. Craig, Tuscola, Ill.
 Wm. & Ed. Haag, Cullom, Ill.
 Elmer Donovan, Taylor Ridge, Ill.
 Henry G. Gallman, Roodhouse, Ill.
 Wm. J. Houston, Lincoln, Ill.
 John Weidner, Earlville, Ill.
 Alex. Steidinger, Fairbury, Ill.
 O. J. Ohlhues, Symerton, Ill.
 Elco Klinger, Ridott, Ill.
 Henry Gronewold, Ogden, Ill.
 G. H. Coen, Normal, Ill.
 John M. Marten, Delavan, Ill.
 Marion McConnel, Reynolds, Ill.
 Ralph M. Allen, Sterling, Ill.
 Wm. Jensen, Quincy, Ill.
 H. I. Green, Urbana, Ill.
 Mrs. Georgia Baxter, Rochelle, Ill.
 W. T. Conn, Onarga, Ill.
 Geo. Swartz & Co., Wellington, Ill.
 J. Harvey Holt, Panola, Ill.
 Milton Adece, DeKalb, Ill.
 Edw. Munson, Arcola, Ill.
 M. C. Ramsey, Deer Creek, Ill. Two cribs.
 John Gingerich, Chatsworth, Ill.
 Geo. W. Johnston, Franklin Grove, Ill.
 Andrew Buck, Lacon, Ill.
 Herbert A. Hunter, Williamsport, Ind.
 Wm. Auth, Ivesdale, Ill.
 Louise Allen, Delavan, Ill.
 James Ponder, Tuscola, Ill.
 C. A. Lundberg, Chicago, Ill.
 Ray M. Brougher, Hoopston, Ill.

L. L. Silliman, Chenoa, Ill.
 J. C. Fesler and S. B. Elmer, Rochelle, Ill.
 Henry Benckendorf, Streator, Ill.
 S. J. Smith, Little York, Ill.
 Geo. Appel, Herscher, Ill.
 E. A. Schorsch, Bloomington, Ill.
 John Wuethrich, McCoysburg, Ind.
 H. H. Biester, Garden Prairie, Ill.
 Brokaw Hospital Farm, Bloomington, Ill.
 Mrs. E. Lourash, Seymour, Ill.
 R. M. Shepard, Milmine, Ill.
 Solon Bros., Streator, Ill.
 N. T. Schertz, Tiskilwa, Ill.
 R. S. Good, Sterling, Ill.
 O. L. Ray, Monmouth, Ill.
 Len O. Butler, Ashland, Ill.
 D. O'Conner, Champaign, Ill.
 E. C. Meeker, Bloomington, Ill.
 Alice D. Andrews, Bloomington, Ill.
 W. H. Kasch, Pecatonica, Ill.
 Lofftus Bros., Roseville, Ill.
 J. W. Longland, Elmwood, Ill.
 J. J. Yedinak, Streator, Ill.
 John G. Whalen, Streator, Ill.
 Arthur Bettenhausen, Peotone, Ill.
 Louis VonAlven, Beecher, Ill.
 Doll Bros., Zeoring, Ill.
 Mrs. P. J. Herlein, Spring Valley, Ill.
 Mrs. C. E. Miller, Ancona, Ill.
 Ray W. Kopp, Buda, Ill.
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 Guy G. Weinbigler, Monmouth, Ill.
 Chas. E. Dittus, Lincoln, Ill.
 C. D. Sturm, Bradford, Ill.
 Andrew Roller, Newman, Ill.
 T. F. Comisky, Lostant, Ill.
 Adolph Hahn, Zeoring, Ill.
 L. B. Cote, Donovan, Ill.
 Theo. W. Stormer, Washington, Ill.
 L. J. Keeneth, Odell, Ill.
 Jasper Flesner, Gifford, Ill.
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 School Trustees West Township, LeRoy, Ill.
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 J. C. Aldrich, Normal, Ill.
 Hasenwinkle-Scholer Co., Bloomington, Ill.
 C. M. Warner Estate, Clinton, Ill.
 Mrs. Emma Bracken, Kankakee, Ill.
 S. W. Portland Cement Co., Osborn, Ohio
 W. A. Brolin, Rockford, Ill.
 Moore State Bank, Monticello, Ill.
 H. L. Baum, Sidell, Ill.
 C. E. Duke, Monmouth, Ill.
 J. P. Noble, Bloomington, Ill.
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Corn Crib and Granary Showing Installation of All-Steel Chainless Inside Bucket Elevator Set Back in Driveway

The durability of any machine depends greatly on the operator, but the All-Steel Chainless Inside Bucket Elevator has been so constructed as to require the minimum of attention and still give the maximum of service.



Due to the construction of the All-Steel Chainless Inside Bucket Elevator, the descending racks with their buckets engage the teeth on the gear in the boot and perfectly counter-balance the racks with their buckets in the ascending column, so that the only load that is elevated is the grain.

As a result of having the correct principle, a design that is years ahead of its field, and the careful selection of all materials that enter into our product, we are today offering the American farmer the greatest value for his money he can possibly obtain.

THE CRIB AND GRANARY THAT BREATHES

Concrete Ventilated Stave Corn Crib and Granary Showing Installation of All-Steel Chainless Inside Bucket Elevator Installed in Driveway

Time and labor saved in handling your harvest, is money saved for you.

This Elevator is built to meet your every requirement in grain or ear corn handling equipment, and is today rendering a superior service on thousands of prosperous farms.

We have improved our Elevators from year to year in order to insure lighter draft, increase handling capacity, durability and strength.

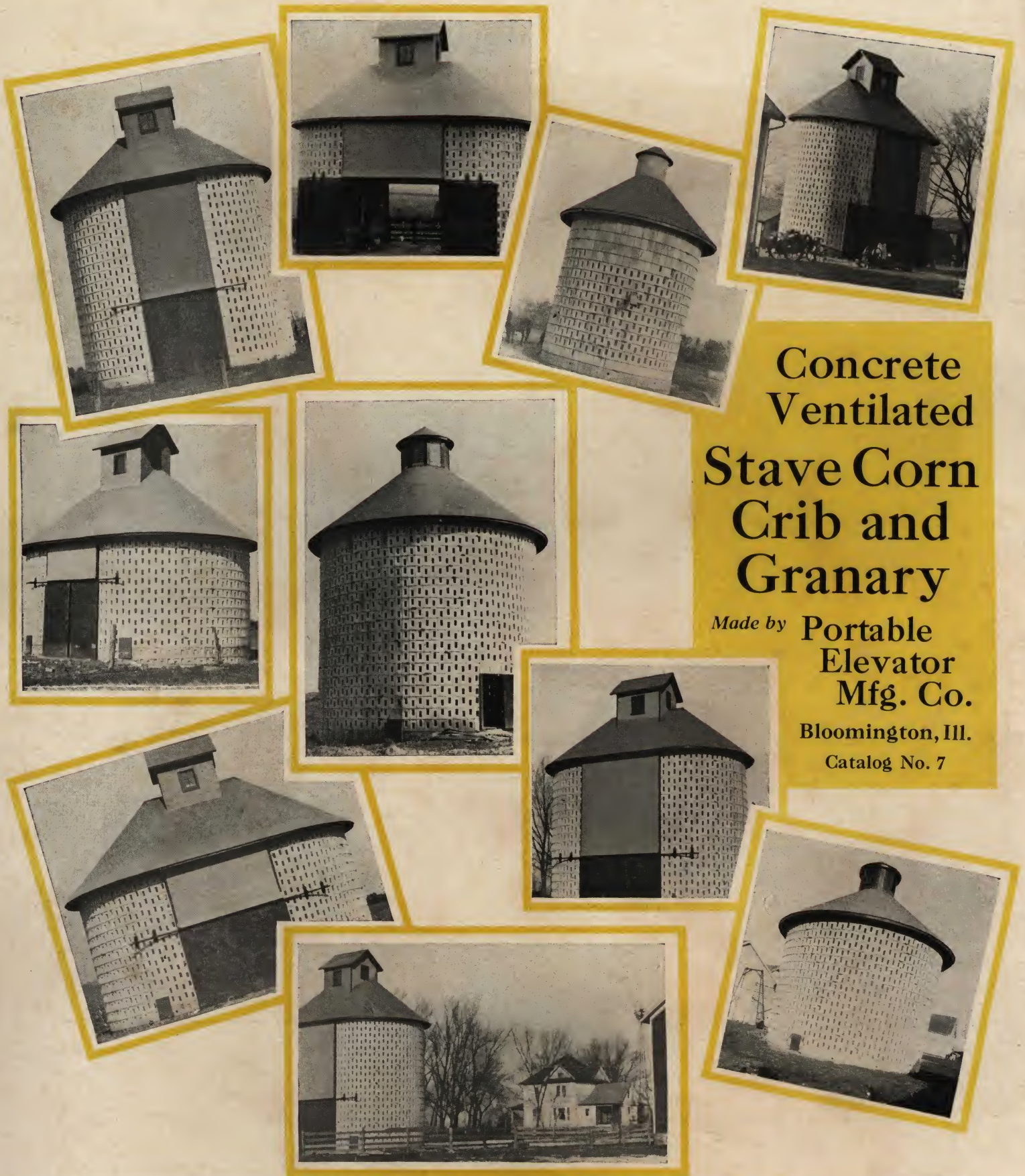
Our success is proven by the fact that users are very positive in their statements regarding the many advantages that are to be found in this elevator.



Due to the curve sections which are a part of the regular equipment, it is possible to install the All-Steel Chainless Inside Bucket Elevator in the driveway, or set it back in the crib and also be able to deliver the grain or ear corn into the center of the building where it is easily distributed to all parts of the building, filling every nook and corner to its capacity. This arrangement makes it possible to use a very small cupola in center of roof.

PORTABLE ELEVATOR MFG. CO., BLOOMINGTON, ILL.

Monuments of Prosperity Last Through the Ages



Concrete Ventilated Stave Corn Crib and Granary

Made by **Portable
Elevator
Mfg. Co.**

Bloomington, Ill.

Catalog No. 7

PORTABLE ELEVATOR MFG. CO., BLOOMINGTON, ILL.

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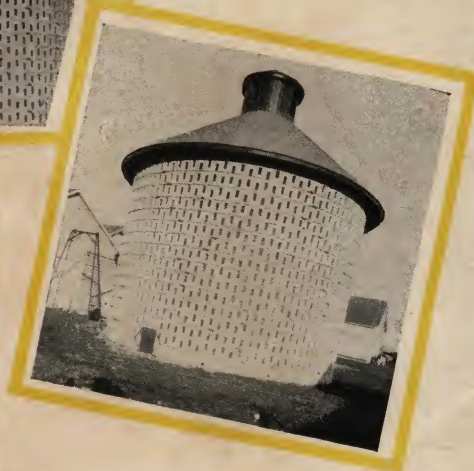
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Alan O'Bright

Through the Ages

Concrete Ventilated Stave Corn Crib and Granary

Made by **Portable
Elevator
Mfg. Co.**
Bloomington, Ill.
Catalog No. 7



PORTABLE ELEVATOR MFG. CO., BLOOMINGTON, ILL.